

POPESCU, Ar.; TICAN, V.; POPESCU, L.; DINULESCU, P.

The Aujeszky virus in cell cultures. I. Culture of the Aujeszky virus in trypsinized swine kidney cortex cells. Stud. cercet. inframicrobiol. 12:479-484 Supplement '61.

(VIRUSES culture) (TISSUE CULTURE)
(ENCEPHALITIS, EPIDEMIC virology) (RABBITS diseases)

Infectious Diseases

RUMANIA

616.981.71

SARATEANU, D., SORODOC, G., BABES, V. T., POPESCU, L. and POPESCU, A., of the Institute of Inframicrobiology (Institutul de Inframicrobiologie) of the Academy of the Socialist Republic of Rumania (al Academiei Republicii Socialiste Romania).

"The Incidence of Pararickettsial Infection in Bucharest Regiune."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 17, No 2, 66, pp 125-128.

Abstract: In a study of serum samples from 907 persons working in the zootechnical sector, the authors found antipararickettsial antibodies in 43.3 percent. The incidence in doctors and veterinary technicians was 69 percent, in cattle handlers 42.1 percent, in pig handlers 31.2 percent, in poultry handlers 27.4 percent and in sheep handlers 25 percent. A direct correlation was found to exist between the degree of infection of the animals and the incidence and titer of antibodies in their handlers.

Includes 2 tables and 5 references, of which 3 Rumanian, one Czech and one English-language. -- Manuscript submitted 5 January 1966.

POPESCU, Ar.; TIGAN, V.; POPESCU, L.

Investigations of the correlations between the serum protein concentration and the level of specific antibodies in aphthous fever hyperimmune serum. Stud. cercet. inframicrobiol. 12:445-453 Supplement '61.

(FOOT-AND-MOUTH DISEASE immunology)
(ANTIBODIES) (BLOOD PROTEINS)

UGLOV, F.G., laureat Leninskoy premii, professor (Leningrad); POPESKU, L.
[Popescu, L.], kand.med.nauk (Bukharest)

Late results of the surgical treatment of pulmonary cancer. Sov.
med. 25 no.5:3-9 My '62. (MIRA 15:8)

1. Chlen-korrespondent AMN SSSR (for Uglov).
(LUNGS--CANCER) (LUNGS--SURGERY)

POPESCU, Ar.; TIGAN, V.; POPESCU, L.

Correlations between serum protein concentrations and specific antibody levels in the hyperimmune serum of foot-and-mouth disease. Studii cerc inframicrobiol Special issue-supplement to 12:445-453 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Institutul de seruri si vaccinuri Pasteur, Bucuresti.

(ANTIGENS AND ANTIBODIES) (PROTEINS)
(FOOT-AND-MOUTH DISEASE)

POPESCU, L. [Popescu, L.] (Bukharest, rayon 30 Dekabrya, ul. Barbu
Delavrance, d.2, kv.13); ZITTI, Ya.

Surgical tactics in lung cancer. Vestn. khir. Grekov. 90 no.4:
9-12 Ap'63 (MIRA 17:2)

1. Iz kliniki torakal'noy khirurgii (direktor - prof.
K.Karpinishan), Bukharest .

POPESCU, Ar.; TIGAN, V.; POPESCU, L.; DINCOLESCU, P.

The Aujeszky virus in cell cultures. I. Cultivation of the virus in trypsinized cells of swine kidney cortex. Studii cerc inframicrobiol Special issue-supplement to 12:479-484 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Institutul de seruri si vaccinuri Pasteur, Bucuresti.

(AUJESZKY'S DISEASE) (VIRUSES) (TRYPSIN)

POPESCU, L.

Transformation of the classical drawing frame into a drawing frame of high productivity.
p. 143

INDUSTRIA TEXTILA. (Asociatia Stiintifica Inginerilor si Tehnicienilor din
Romania si Ministerul Industriei Usoare) Bucuresti, Rumania. Vol. 10, no. 4, Apr. 1959

Monthly List of East European Accessions (EEAI) ^{Vol 8} IC, no. 8, Aug. 1959

Uncl.

Country : Rumania H-23
Category :
Abs. Jour. : 47213
Author : Popescu, L.
Institut. :
Title : Automatic Regulation of Technological Processes
in the Petroleum Refining Industry
Orig Pub. : Automat. si electron., 1957, 1, No 6, 244-249

Abstract : Diagrams and descriptions of modern methods of automatic regulation of operation of piston pumps, of the volume of flow of a liquid according to its level, of the temperature at which a product is heated in a furnace fired with liquid fuel, and of the central station of a continuous process of fuel oil treatment. Prospects of further development of automation in petroleum refining industry are discussed. -- G. Bonvech.

Card:

POPESCU L.K.

USSR/General Problems of Pathology Neoplasms.

U

Abs Jour: Ref Zhur-Biol., No 8, 1958, 37370.

Author : Popescu, L.K.

Inst :

Title : The Etiology and Frequency of Lung Cancer.

Orig Pub: Vestn. Khirurgii, 1957, 79, No 9, 24-28.

Abstract: In analysing 2800 autopsies during a period of years, it was determined that lung cancer (LC), in relation to all autopsies in 1945, constituted 1.26%, in 1946-1.72%, in 1954 - 7.5%, in 1955 - 6.85%. LC was observed more frequently in the older group and significantly more often in men (70-85% of all LC cases). LC, in relation to cancer of other localization, reached 12, 25% in 1932, 10.2% in 1933, 16.7% in 1953, 16% in 1955. The mortality rate from LC

Card : 1/2

no 8, 1950, 37270.

in 1955, as compared to LC mortality rate in 1947, increased to 150%. The frequency of LC in relation to other lung diseases also increased during the last years; 1944 - 4.37%, 1955 - 25.3%.

Card : 2/2

170

ZITTI, Ye.: POPESCU, Lidiya [Popescu, Lidia] (Rumyniya, Bukharest,
rayon 30 Dekabrya, ulBarbu, Delayrans'ye, d.2, kv.13);
KYRSTYA, M. [Ciratea, M.]; DINKE, G. [Dinca, G.]

Acute respiratory insufficiency in thoracic surgery. Vest.
Khir. 91 no.12:11-18 D '63. (MIRA 17:9)

1. Iz kliniki torakal'noy khirurgii (dir.- prof. K. Kerpinishan
[C. Carpinisean]), Bukharest.

POPESCU, Magdalena

Chromatographic research in progressive muscular dystrophy.
Stud. cercet. neurol. 10 no.1:3-16 1965.

ROMANIA 4

ZOTIA, V., MD, Pharmacist; SERPER, Ana, Pharmacist; POPESCU, Margareta,
Pharmacist; HOCIUNG, Jana, Pharmacist; GASMET, Ana, Pharmacist.

Bucharest, Farmacia, No 7, Jul 63, pp 403-409

"Research on the N-methylpiperazine series. V. Synthesis of Certain
Acyl Derivatives Acting upon the Central Nervous System."

5

RUM/3-59-10-2/16

30(1)

AUTHORS: Ioanid, G., Doctor; Bunus, F., Engineer and
Popescu, M., Chemist.

TITLE: Use of Radioactive Isotopes ¹⁹ in Studying Some
Parameters in the Manufacture of Superphosphates

PERIODICAL: Revista de Chimie, 1959, Vol 10, Nr 10, pp 556-558

ABSTRACT: A number of parameters are of decisive influence
in producing superphosphate, especially on quality.
These parameters cannot be determined by using
conventional chemical procedures so that radio-
active isotopes are the only way. This study deals
with two parameters, the time of retention and
homogenization. Two series of determinations
were made at the "Petre Poni" Uzina (Plant) and
the "Karl Marx" Combinatul Chimic (Chemical Combi-
nat) for this study using the P^{32} isotope. The
first series of determinations at the "Petre Poni"
Plant used an existing "Vinița" malaxator where
the raw material entered the malaxator at one end

Card 1/3

RUM/3-59-10-2/16

Use of Radioactive Isotopes in Studying Some Parameters in
the Manufacture of Superphosphates

and the paste left it through an overfall with a varying level. The capacity variation within the malaxator influenced the time of retention. The second series of experiments comprised determinations of the time of retention and homogenization effected with the same malaxator after a number of modifications of some deficiencies which showed up during the first series of experiments. The "Karl Marx" Combinat used a bunker for determining the phosphate; it had a revolving table at its lower part and a knife with a variable opening. This system did not function at its best, due to the humidity of the material. The acid was pumped directly into the malaxator from a storage tank. The malaxator was 4.25 m long and in a horizontal position. The raw material entered the malaxator at one end and left the paste at the other end opposite the feed; in

Card 2/3

RUM/3-59-10-2/16

Use of Radioactive Isotopes in Studying Some Parameters in
the Manufacture of Superphosphates

falling, the paste entered a tunnel with a number of narrow-gage RR lorries which discharged the solidified superphosphate into a storage building. The process was not continuous. One charge took approximately 20 to 30 minutes. The quantity of acid varied in proportion to the amount of phosphate. The time of retention was shorter than generally prescribed by pertinent literature; this can be extended either by using a longer malaxator or by reducing the feed rate. The homogenization was not complete in many cases. The installation for determining the raw material did not function in perfect conditions due to the quality of the superphosphate. There are 6 graphs and 2 tables. ✓

Card 3/3

TELNICEANU, A.; SOLOMON, I.; BUSUIOC, C.; TOMI, E.; CONSTANTINESCU, M.;
POPESCU, M.

Research on the antipoliomyelitis seroneutralizing antibodies
in infants under 12 months of age in the city of Bucharest
after mass use of the modified live-virus vaccine.

Stud. cercet. inframicrobiol. 14 no.3:341348 '63.

(POLIOMYELITIS) (ANTIBODIES) (VACCINATION)

(POLIOVIRUS VACCINE, ORAL)

R/003/60/011/005/009/023
A125/A026

AUTHORS: Bunus, Fl., Engineer; Ioanid, G., Doctor; Popescu, M., Chemist

TITLE: Measurements With Radioactive Isotopes in Chemical Industry

PERIODICAL: Revista de Chimie, 1960, Vol. 11, No. 5, pp. 283 - 287

TEXT: Subject article presents a series of applications of radioactive isotopes in chemical industry, accomplished by the Radiochemical Section of the ICECHIM. Radioactive isotopes can be used as: I) tracers and II) external sources. I) Application of radioactive isotopes used as tracers: a) The Uzinele chimice "Petre Poni" (Chemical Plant) has used ^{32}P in the production of superphosphates for: 1) checking the homogenation of the paste and 2) determination of the retention time in the mixer. The homogenation of the paste has been checked by introducing sulfuric acid radioactivated with ^{32}P as traced phosphoric acid. Figure 1 shows the homogenation curve. The retention time has been determined by introducing traced phosphoric acid. Figure 2 presents the curve of the activity variation. On the basis of these examinations, the mixer was modified, thus obtaining some improvements as shown in Figure 3. b) Radioactive isotopes have been used by the Combinatul Chimic "Karl Marx" (Chemical Combine)

Card 1/3

R/003/60/011/005/009/023
A125/A026

Measurements With Radioactive Isotopes in Chemical Industry

in the alumina production, in order to study: 1) the homogenation of the bauxite and limestone paste in the reservoir and 2) the time the material is passing through the kiln. Reference is made to the operation method. Figure 4 shows the homogenation of the bauxite plus limestone paste and Figure 5 the variation of the radioactivity in the clinker kiln, supplied with radioactive paste. Van Zeeland in Norway conducted a similar study. c) A third application of radioactive isotopes was the determination of the operation conditions of rotary kilns in the production of sodium bichromate. Figure 7 presents the determination of the retention time in the furnace by a raw material paste traced with phosphoric acid. d) ^{32}P as traced sodium phosphate has been used by the "Karl Marx" Chemical Combine for the determination of eventual "latex" deposition in the PVC manufacturing process. - II) Utilization of radioactive isotopes as external radiation source: for this purpose the authors worked out a method for determining the hydrogen content in liquid hydrocarbons. The method is based on the great difference between the absorption mass coefficients (μ/ρ) of the atoms of hydrogen and other elements. ^{134}Cs has been used as a radioactive source. The authors then describe an apparatus for the determination of the level of compressed liquids

Card 2/3

R/003/60/011/005/009/023
A125/A026

Measurements With Radioactive Isotopes in Chemical Industry

in closed containers (Fig. 9). The apparatus consists of: a) the counter, the source and the preamplifier, and b) the electronic block. Finally, the advantages of the application of radioactive isotopes is emphasized. There are 9 figures.



Card 3/3

BUNUS, Fl.; POPESCU, M.

Study of some physical processes in carbide manufacture with the aid
of radioactive isotopes. Rev chimie Min petr 13 no.10:601-603 0 '62.

BUNUS, Fl.; POPESCU, M.; STANCIU, S.

Method for wolfram determination in steels by means of radioactive isotopes. Rev chimie Min petr 14 no.5:290-292 My '63.

BENEDICATO, Antoneta; VRAINICANU, R.; CIOBANU, P.; DANCIU, M.;
POVRESCU, M.

Relation between the amplitude of the ECG waves and T-Q in pho-
topia and aetopia examination of normal subjects and patients
with hemodynamic disorders and vascular sclerosis. Stud. cardi-
fiziol. 9 no.5:138-144 '64

BRUCKNER, Silvia, conf.; IOANESI, Iulia, dr.; RUSU, V., dr.; DRAGOIU, Tatiana; POPOESCU, Manuela

Acute meningitis produced by germs of the group *Acinetobacter* (*Moraxella*). Med. intern. (Bucur.) 16 no.8:991-998 Ag '64.

1. Lucrare efectuata in Clinica de boli contagioase nr. 1, Institutul medico-farmaceutic, Bucuresti si Institutul de seruri si vaccinuri "Dr. I. Cantacuzino".

GRADINA, C., Dr.; BERDAN, C., Dr.; POSTELNICESCU, M., Dr.; PAFNOTE, Maria,
dr.; TANEV, A., dr.; POPESCU, M., dr.

Clinical and statistical study of morbidity in a metallurgical
plant. Rev. igiena microb. epidem., Bucur. Vol. 4:31-47 Oct-Dec
55.

1. Institutul de igiena muncii si boli profesionale, Bucuresti.
(OCCUPATIONAL DISEASES
in metal workers, clin. & statist. study, in Rumania.
(BACKACHE
in metal workers in Rumania, clin. & statist. study.
(ENTERITIS
(SAME)
(SKIN, dis.
(SAME)
(LUNGS, dis.
(SAME)
(METALS
metal workers, occup. dis. in Rumania.

SAGER, O.; POPESCU, M.; MIRZA, A.; ZISSU, E.

Study of unconditioned interoceptive reflexes. Bul. stiint., sect.
med. 7 no.3:789-804 July-Sept 55

1. Membru corespondent al academiei R.P.R. (for Sager)

(REFLEX

interoceptive, splenic, unconditioned, in dogs)

POPESCU M.

SAVULESCU, V.; ILIESCU, M.; DUMITRESCU-BOGDAN, Olga; POPESCU, M.

Causes and prevention of ulcerous disease in several industrial establishments. Med. int., Bucur. 9 no.12:1858-1866 Dec 57.

(PEPTIC ULCER

in indust. workers & managers, causes & prev.)

POPESCU, M.

SCHIAU, S.; RATIU, O.; POPESCU, M.; STOENESCU, R.

Radiological diagnosis of duodeno-choledochal fistulas secondary to duodenal ulcer. Med. int., Bucur. 10 no.1:113-116 Jan 58.

(PEPTIC ULCER, complications

duodeno-choledochal fistula, x-ray diag.)

(DUODENUM, fistula

duodeno-choledochal, in duodenal ulcer, x-ray diag.)

(BILE DUCT, COMMON, fistula

same)

RUMANIA/Chemical Technology - Chemical Products and Their
Application. Leather. Fur. Gelatin. Tanning Agents.
Technical Proteins

I-29

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 14069
Author : Popescu Mircea
Title : Local Vegetable Tanning Materials Utilized by the
Rumanian Leather Industry
Orig Pub : Ind. usoara. 1956, 3, No 5, 183-189
Abstract : Description of the characteristics of vegetable tanning
extracts produced in Rumania, listing their defects and
indicating ways of improving their quality as well as
the possibilities of expanding the base of supply of
local tanning agents.

Card 1/1

- 448 -

GARAPANCEA, M.; POPESCU, M.

Phenomena and mechanisms of disequilibrium of homeostasis of
retinal tension in ocular accommodative strain. Stud. cercet.
de fiziol. 10 no.2:179-181 '65.

CARAPANCEA, M.; POPESCU, M.; MOCODEANU, Justina.

Increase of sodium in the aqueous humor under the influence of hypobaric conditions as a mechanism of intraocular hypertension at high altitudes. Stud. cercet. de fiziol. 10 no.2: 183-191 '65.

RUMANIA

577.15.04:612.398.145.1

PORTOCALA, R., POPESCU, M., SAMUEL, I., MORFEI, A. and LACATUS, V.
of the Institute of Inframicrobiology (Institutul de Inframicro-
biologie) of the Academy of the Socialist Republic of Rumania
(al Academiei Republicii Socialiste Romania).

"The Action of Formaldehyde on the Infectious Character of
the MM Virus and Its Ribonucleic Acid."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 17,
No 4, 66, pp 311-316.

Abstract: The authors studied the effect of formaldehyde in
2 per mille concentration at room temperature on suspensions of
mouse brain experimentally infected with MM virus and on the
ribonucleic acid extracted from the suspensions; tests were made
after 7, 14 and 32 hours. It was found that while the infecti-
vity of the treated virus fell strongly during the first 7 hours,
the infectivity of the ribonucleic acid extracted from the for-
molyzed suspension equals that of ribonucleic acid extracted from
untreated virus suspensions.

Includes 7 figures and 13 references, of which 3 Rumanian,
one German and 9 English-language. -- Manuscript submitted 11
March 1966.

1/1

RUMANIA/Cultivated Plants. Fruit Trees. Small Fruit Plants.

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77801.

Author : Oprean, M.; Popescu, M.; Manolache, E.; Dobrescu, I.

Inst :

Title : Rational Utilization of Sands in Krayov Oblast
by Means of Orchards and Vineyards.

Orig Pub: Gradina, via si livada, 1957, 6, No 4, 22-34.

Abstract: Sands of Krayov Oblast are used for vineyards (12000 ha) and orchards. With high-level agricultural engineering (4 plowings, application of fertilizers: N 50-80 kg, P 30-60 and 50-100 kg K per 1 ha, mechanized cultivation, area of nutrition: 1.2-1.5 m between rows and 0.8-1.1 m in row), 100-130 c/ha of grapes were obtained. Orchards occupy a small section - from 1 to 8-10 ha; the

Card : 1/2

125

M

Country : RUMANIA
Category: Cultivated Plants. Fruits. Berries.

Abs Jour: RZhBiol., No 22, 1958, No 100429

Author : Popescu, M.; Oprean, M.; Manolache, E., Tuta, V.

Inst : -

Title : Behavior of Fruit Trees on Sands in the First Year
After Planting.

Orig Pub: Gradina, via si livada, 1957, 6, No 8, 40-45

Abstract: From the experience of growing fruit trees on the sands in the south of Oltenia (Rumanian People's Republic), it follows that fruit trees planted in deep pits (depth of 1.2-1.5 meters), have the most vigorous growth and the smallest percentage of withering in the first year after

Card : 1/4

Country : RUMANIA
Category: Cultivated Plants. Fruits. Berries.

M

Abs Jour: RZhBiol., No 22, 1958, No 100429

planting. In deep pits, the trees develop well even in the conditions of prolonged drought. Planting fruit trees in the sands in ordinary pits (depth of 0.8 meters) proved to be unsuccessful because of insufficient water in the upper layer of the soil. The direction of the rows of the trees from the north to the south (perpendicularly to the dunes which have formed) proved to be suitable for all fruit trees in the conditions of the sands in the south of Oltenia. Almond, apricot and peach trees had vigorous growth and a minimum percentage of withering. Proved to be weakest were sweet cherry, apple and pear trees, and berry bushes

Card : 2/4

M-144

Country : RUMANIA
 Category: Cultivated Plants. Fruits. Berries.
 Abs Jour: RZhBiol., No 22, 1958, No 100429

M

(currant, raspberry, gooseberry). There was a good growth of the branches on the stocks of mirabelle (137.1), almond (105.4), peach (90.8), ungrafted apricot, cherry. The stocks - dwarf apple, quince, paradise apple, pear - proved to be weak. On the sands, different varieties of fruit trees behaved differently. Some developed very well: Anna Shpet, Agen, Greengage (plum), Rozovyye shchechki (apricot), Elberta (peach), Belyy naliv (apple); others - middling well: Parmen zolotoy (apple), Pavlot (apricot), a plum variety Vinete. The fruit trees of Gortenziya variety (cherry) withered.

Card : 3/4

COUNTRY : ROMANIA M
 CATEGORY : Cultivated Plants. Fruits. Berries.
 ABS. JOUR. : RZhBiol., No. 23 1958, No. 104821
 AUTHOR : Oprean, M., Manolache, E., Popescu, M., Dobrescu, I., *)
 INST. : Institute of Agronomy
 TITLE : Behavior of Grape Vine on Sands in the First Year
 of Planting.
 ORIG. PUB. : Gradina, via si livada, 1957, 6. No. 9. 23-28
 ABSTRACT : It follows from the experiments at the Institute of Agronomy in the region of *Crucioara* that in planting grapevines on hilly sands in Tymbureshti in trenches (3 meters in depth), hills (1.5 m) and holes (0.3 m), the growth of the root system and shoots depended on the planting depth, relief of the locality, exposure, method of planting and the direction of the rows. The greatest growth of the roots (length of 721.7 cm) was secured with planting into trenches at the top of the dune, and the weakest growth (362.5 cm) - in the middle of the dune. This is explained by

*) Mandescu, Tr., Stegarus, A.

CARD: 1/3

COUNTRY	:	
CATEGORY	:	
ABS. JOUR.	:	RZhBiol., No. 1958, No. 104821
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT	:	an excess of moisture and lower temperatures in the middle of the dune in comparison with its top. It is recommended to do deeper planting of the grapevine at the top of the dune, and the drier the climate, the deeper. In the middle of the dune, planting should not be deep but not less than 0.3 m in order that the roots would not suffer from frosts. On the slopes of the dune, planting should be done to medium depth. In the region of <i>Craies</i>, in places

CARD: 2/3

135

COUNTRY	:		M
CATEGORY	:		
ABS. JOUR.	:	RZhBiol., No. 1958, No. 104821	
AUTHOR	:		
INST.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	where the sand layer is 3 meters, grapevines may be planted at the top of the dune into trenches and hills. In places where the sand layer is less than 3 meters, the planting should be done in trenches at the top of the dune and in the upper part of the slope of the dune; and in the middle and lower part of the slope of the dune - in holes. The rows of grapevines have to be oriented from the north to the south, but with inadequate precipitation such orientation of the rows is unfavorable for the development of the grapevine. -- Ye. I. Zhukovskaya	
CARD:		3/3	

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

A-4

BC

Action of urea on gastro-intestinal muscles.
D. Sumner and M. Fawcett (Bull. Acad. Med. Rou-
mania, 1940, 6, 85-88).--Urea inhibits gastro-
intestinal movements in isolated organs of cats and
dogs, but produces contraction of the longitudinal
muscle. M. K.

COMMON ELEMENTS

OPEN

MATERIALS INDEX

ASD-55A METALLURGICAL LITERATURE CLASSIFICATION

FROM BOWERY

EXACT ONE ONLY III

CELLULOSE

COMMON ELEMENTS																										COMMON VARIABLE INDEX																									
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26																										1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26																									
CA 11-H Pharmacodynamics of cerebral vessels. 1. Action of adrenaline. Marin Popesco (Univ. Bucharest, Roumania). <i>Bull. acad. med. Roumanie</i> 17, 10-20(1945)(in French).—Simultaneous records of systemic and cerebral (central end of int. carotid) pressures (Huerthle's method) in dogs indicated that cerebral vessels are more sensitive than systemic to vasoconstrictor action of adrenaline. Atropine reinforces this action of adrenaline on the cerebral circulation. II. Action of acetylcholine. <i>Ibid.</i> 21-7.—Acetylcholine dilates the cerebral blood vessels, and its effect is stronger and of greater duration in cerebral vessels than on the rest of the body. This fact presumably explains the occurrence of fatal cerebral hemorrhages in the course of treatments with acetylcholine prepns. H. H. Samant																																																			
ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION																										E2																									
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1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
COMMON ELEMENTS																										COMMON VARIANTS																									
11-71 THE pharmacodynamic action of Demerol (Miltio Popescu Univ. Bucharest, Roumania) Bull. Acad. Sci. Roum. 1970, 13, 70 (1970) (in French). The action of Demerol (I) on the circulatory system, the urinary app., the uterus, and the intestine was studied in dogs, cats, and rabbits. I has a pronounced vasodilator action which is exerted directly on the vessel walls. The cerebral blood vessels seem to be particularly sensitive to I. There is a prolonged vasodilator effect on the kidney, which fact explains the retardation of diuresis. I acts directly on the ureter, uterus, and intestine and inhibits muscular contractions in these organs. H. H. Simant																																																			
ASB.ILA METALLURGICAL LITERATURE CLASSIFICATION																																																			
1970-1971																																																			

COMMON ELEMENTS										COMMON VARIABLES INDEX									
11-11 The pharmacodynamic action of morphine. The vascular action. Marin Popescu (Univ. Bucharest, Rumania). <i>Bull. Acad. med. Roumanie</i> 17, 118-15 (1915) (in French).—The effect of morphine on the general, cerebral, and peripheral circulations was studied in dogs. The intense vasodilator effect of morphine is caused by a direct action on the vessel walls, and indirectly by its action on the vasomotor centers. The cerebral blood vessels are sensitive to morphine to at least the same extent as are those of the rest of the body. H. H. S.																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									
1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									

CD

1-11

PROCESSES AND PROPERTIES INDEX

The pharmacodynamic action of berberine. Gh. Niculescu and Marin Popescu (Univ. Bucharest, Rumania). *Bull. acad. med. Roumanie* 17, 210-15 (1915) (in French). Intravenous injections of berberine caused intense vasodilation and consequently hypotension. In a study of isolated tissues berberine greatly stimulated the tonus of intestinal and uterine muscles. H. H. Samant

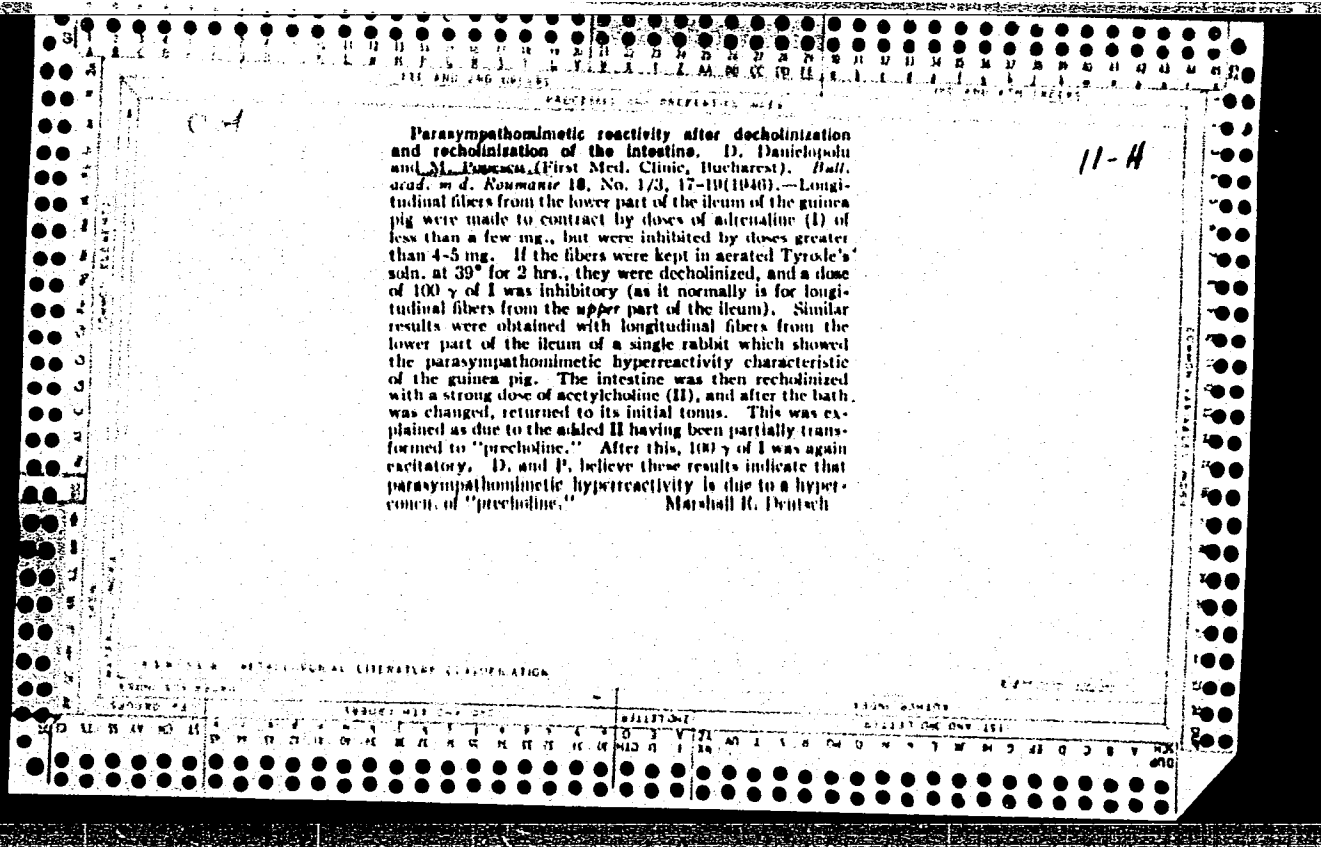
ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

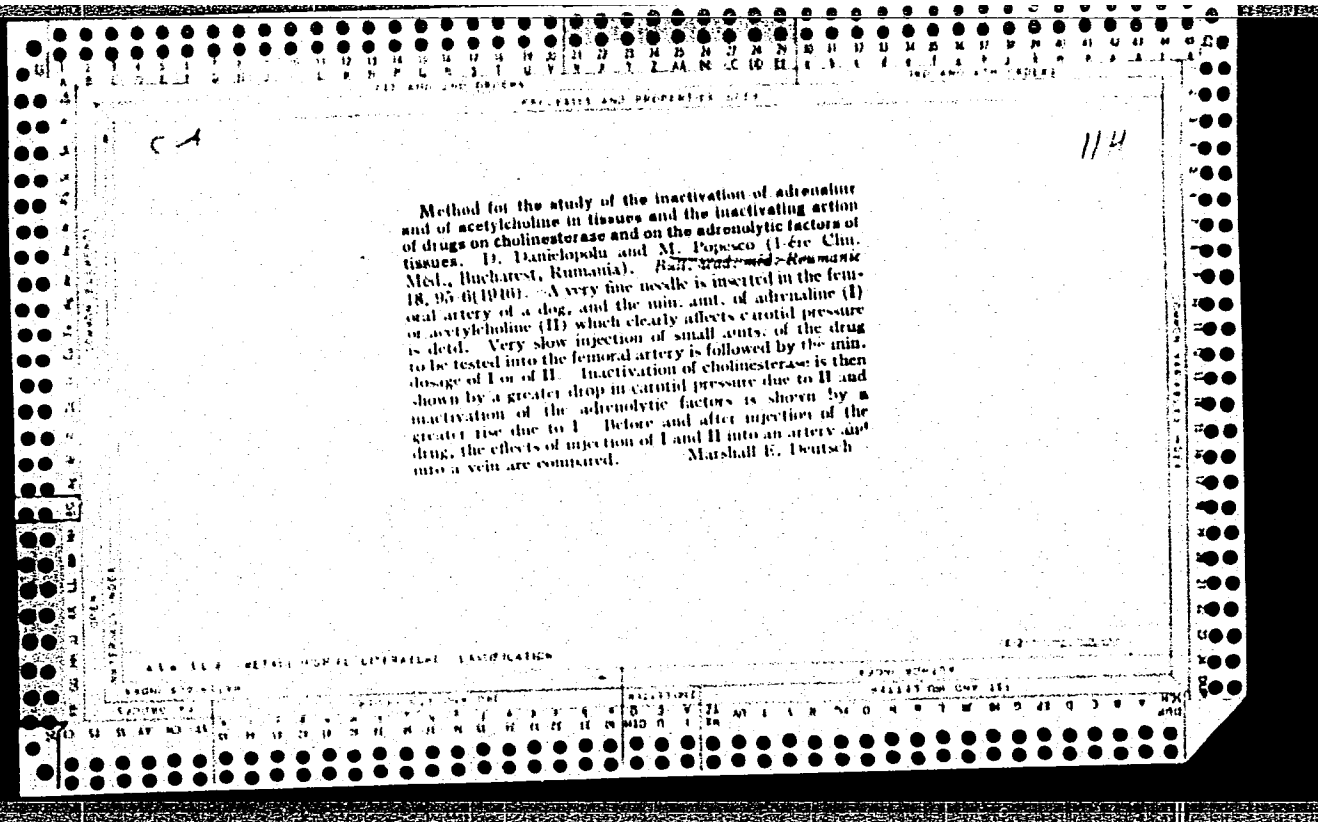
SECOND DIVISION

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Action of adrenaline on different portions of the small intestine of the guinea pig and of the rabbit. D. Danielopolu and M. Popescu (I-*Rev. Clin. Med., Bucharest, Rumania*). *Bull. Acad. med. Roumanie* 18, 97-103 (1946).—Guinea pig small intestine is excited by adrenaline (I) in small doses and inhibited by larger doses. As the intestine is traversed caudally, the min. inhibitory dose for longitudinal fibers increases, but is always larger than the min. inhibitory dose for circular fibers. The min. inhibitory dose for longitudinal fibers increases sharply 6-8 cm. above the ileocecal valve. The explanation is that the excitatory action is due to acetylcholine indirectly liberated by the I and that the sympathetic reactivity of a given fiber is initially less than, but increases more rapidly than, its parasympathetic reactivity as the dose of I is increased. As the intestine is traversed, the parasympathetic reactivity increases; this displaces the "isometric point" toward higher dosages of I. Marshall E. Deutsch

Marshall E. Deutsch

CA

11 H

Antiacetylcholinolytic and antiadrenolytic action of eserine. D. Danilopolu and M. Popescu. *Bull. acad. med. Roumanie* 18, 104-5(1940).—By use of a previously described method (cf. preceding abstr.) eserine is shown to have these actions.
Marshall R. Deutsch

ASB-SLA METACATALOG LITERATURE CLASSIFICATION

1940-1944

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1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROCEDURES INDEX																																																			
CA The pharmacodynamic action of (2-p-hydroxyphenyl-isopropyl)methylamine (H-75) or veritol. C. C. Dimitriu and M. Popescu. — <i>Bull. acad. méd. Roumanie</i> 18, 123-32 (1946). — In the dog and the cat, 2-3 mg. of veritol (I) injected intravenously produces arterial hypertension and a slowing of the respiratory rate and amplitude, but a larger dose (10 mg.) produces the opposite effects and also causes hypersecretion of bronchial mucus. Atropine (II) in doses of 2-5 mg. and 88HF (III) in doses of 20 mg. fail to suppress the vasodilating and vasoconstricting actions, resp. In the dog, 3 mg. of I injected into the femoral artery produces a peripheral hypotension (in the paw) and a hypertension in the general circulation. This is explained as due to the I acting as a strong dose in the paw and being dild. and acting as a weak dose in the general circulation. On the isolated portal vein of the cat in Tyrode's soln. (IV) at 38°, a concn. of 0.0 mg. % of I causes an increase of tonus which is not abolished by washing and replacing the IV. The hypertonus is accentuated by the addn. of 10 mg. of III and is not affected by addn. of 2 mg. of II after washing, but subsequent washing abolishes it. The small intestine of the rabbit is not affected by I, but on that of the rat I produces a diminution of tonus and a reduction in the amplitude of contractions. Marshall E. Deutsch																																																			
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PROCESS AND PROPERTIES INDEX																									
1ST AND 2ND ORDERS													3RD AND 4TH ORDERS												
ea 11-G Further proof of the acetylcholinergic action of anti- gens. D. Danilopolu and Marin Popesco (Acad. Med., Bucharest, Roumania). <i>Compt. rend. soc. biol.</i> 140, No. 9-10, 243-5(1946); cf. <i>C.A.</i> 39, 25933a; 41, 2155d. As previously shown, all antigens (foreign serums, bacterial exts., tuberculin, etc.) produce inhibition in all organs where the parasympathetic system is inhibitory. The cells in the presence of the antigen liberate acetylcholine (I). This effect is inhibited by atropine, which prevents the parasympathomimetic action of I, and augmented by eserine and strophanthin, which inactivate cholinesterase (II). With isolated unsensitized rabbit intestine in Tyrode soln. at 38° the addn. of horse serum provokes contraction due to liberation of I from a precursor contained in the tissues. If the bath fluid is now changed and horse serum again added, no contraction occurs because the I precursor is exhausted. If the bath fluid is changed again and I is added, contraction occurs for a time and the I precursor is reformed in the tissues by hydrolysis of I by tissue II and conversion to precursor. If the bath fluid is now changed again and horse serum is added, contraction occurs again as in the first part of the expt. This sequence of effects can be repeated several times with the same segment of intestine. L. R. Gibson																									
ASW-SLA METALLURGICAL LITERATURE CLASSIFICATION 3301177 Oct 1951																									

11-G

Ca

Paraphylactic (anaphylactic) shock produced in strophanthin-treated guinea pigs by neutral diphtheria toxin-antitoxin mixture. D. Danielopolu (Acad. Med., Bucharest, Roumania). *Bull. acad. med. Roumanie*, No. 4/8, 22-4(1945); *Compt. rend. soc. biol.* 140, 9-10, 245-6(1946).—As previously shown, paraphylactic shock (cf. *C.A.* 30, 25639) is produced by sudden liberation of acetylcholine (1) at the moment of formation of the antigen-antibody-alexin immunizing complex. Ordinarily in guinea pigs the intravenous injection of neutral toxin-antitoxin mixt. does not produce shock because 1 is liberated rather slowly. (The mixt. does produce contraction of isolated unsensitized rabbit intestine.) If the guinea pig is pretreated with eserine or strophanthin to inactivate cholinesterase, injection of the toxin-antitoxin mixt. immediately produces paraphylactic shock. This shock effect is prevented by atropine, which blocks the action of the liberated 1. Paraphylactic acetylcholine shock provoked in isolated rabbit intestine by neutral diphtheria toxin-antitoxin mixture. D. Danielopolu and Marin Pogreco. *Compt. rend. soc. biol.* 140, 200-9(1946).—The mixt. produces an increase in tone in the intestine by liberation of acetylcholine from the tissue; this is prevented by atropine. If the bath fluid is now changed and the intestine washed, a second addn. of the toxin-antitoxin mixt. has no effect, unless before adding the mixt. the tissue has been permitted to reform the 1 precursor by treating it with a dil. soln. of choline or 1. L. E. Gilson

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

11-6

POPESCU M. Action of drugs on cholinesterase and on the adrenolytic factors. Inactivating action of eserine, strophanthin and ascorbic acid on cholinesterase and on the adrenolytic factors Acta Pharmacologica et Toxicologica 1948, 4/3-4 (339-350) Graphs 8

The destruction of acetylcholine and adrenaline in tissues in vivo was studied by comparing the effect on the blood pressure of intra-arterial and intravenous injections. It was found that physostigmine and strophanthin inhibit both the cholinesterase and adrenolytic factors of the tissues, while ascorbic acid inhibits the latter, but has only a slight effect on the former.

Whittaker - Oxford

30: Physiology, Biochemistry & Pharmacology 2.¹ Jan.-June 1949

CA

11H

Phenomena of antagonism with reciprocal stimulation by calcium and potassium ions in the end organ. D. Danielopolu, Marin Popescu, and S. Simionescu. *Acad. Rep. Populare Romane, Bul. Stiint., B. Stiinte Med.* 1, No. 2, 11 pp.(1949)(French summary).—It was demonstrated that in the end organs of the intestines there exists a reciprocal antagonism between Ca and K ions, each of which stimulates the intervention of the other. Small doses of Ca are "hormimetic (I) with prevailing parasympathomimetic action (II) (i.e. they stimulate the intestines and inhibit the heart), large doses of Ca are I with prevailing sympathomimetic action (III), (i.e. they inhibit the intestines and stimulate the heart), while the opposite is true for K. Normally Ca is I with prevailing III but K is I with prevailing II. High amts. of caffeine impede the effect of K, but they increase that of Ca. The opposite is true for quinine.

Emanuel Merdinger

VICIU, E.; POPESCU, M.; DORIN, E.; BERCEANU, St.; BELCHITA, A.;
WESTOR, R.

Study of blood protein disorders in rheumatismal endocarditis and
endocarditis lenta; their pathogenetic and clinical significance.
Probl. reumat., Bucur. Vol. II.:201-220 1954.

(BLOOD PROTEINS

disord. in rheum. endocarditis & endocarditis lenta)

(ENDOCARDITIS, SUBACUTE BACTERIAL, etiol. & pathogen.

blood protein disord.)

(RHEUMATIC HEART DISEASE, etiol. & pathogen.

blood protein disord.)

POPESCU, MARIN

Non-specific pharmacodynamic investigations on the in-
terceptor action of atropine, nicotine, and ethyl alcohol.
D. Danilopolu, Marin Popescu, S. Potina, and Andrei
Mirza. *Comun. Acad. Rep. Populare Romine* 4, 755-8
(1954).--The hypothesis is advanced that, concerning non-
specific action, the neuron reacts identically in all its con-
stituent parts to chem. mediators, ions, and medicaments.
This concept is based on the action of atropine. Alc. and
nicotine stimulate only to a certain dose and exercise an ex-
citatory action on nerve centers, on the endocrine glands, and
the terminal organs. These substances inhibit in strong
doses the acetylcholine action as well as the excitatory ac-
tion of interceptors. In the action of nicotine and EtOH,
the difference between the action of small and large doses
should be taken into consideration, since they are manifested
on the nerve cells, on the endocrinal cells, and on the specific
cells in terminal organs. Nicotine and EtOH are stimu-
lants of all the functions of the organism. T. Z. D.

Alcohol metabolism

POPESCU, M.

✓ Nonspecific pharmacodynamic research on the action of
phenergan and antistine on the tissue receptors. D.
Danielopolu, Marin Popescu, S. Fotino, Andrei Miza,
and I. Popescu. *Comun. Acad. Rep. Populare Romine*
S, 215-19(1955).—The action of phenergan, antistite, and
untergan on the receptors was that of a braking effect.
In the organs perfused by these substances, KCl and his-
tamine did not provoke reflexes. A. Halasz

Popescu, M.

Med
2/1/55

Nonspecific pharmacodynamic research on the action of
cardiazole, eserine and strophanthin on the receptor re-
flexes. D. Danielopolu, Marin Popescu, S. Fotino, and I.
Popescu. *Comun. Acad. Rep. Populare Romine* 3, 221-3
(1955).—The strophanthin and eserine when injected in the
splenic perfusion liquid excite tissue receptors by provoking
reflexes and exaggerating the reflexes provoked by KCl in-
jected in the perfusion liquid. The cardiazole exaggerates
the respiratory reflex provoked by the injected KCl in the
perfusion liquid. A. Halasz

EXCERPTA MEDICA Sec.2 Vol.10/6 Phy.Biochem. June 57

2545. POPESCU M. and MÎRZA A. Lab. de Fiziol., I. M., Timișoara. *Dispozitiv
de înregistrare a debitului de perfuzie al organelor de mamifer. A device
for registration of perfusion volume in mammalian or-
gans REV. FIZIOL. NORM. PATOL. 1956, 3/3 (398-402) Illus. 6

This apparatus does not register the volume itself but the actual curve which would
otherwise have to be plotted with the volumes. This saves much time and trouble.
The apparatus is highly sensitive and records even very small variations in volume.

Graur - Bucharest

RUMANIA/Pharmacology and Toxicology. Analeptics

V-4

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 47161

Author : Popescu M.

Inst : Rumanian Academy of Sciences, Baza Timisoara

Title : A Contribution to the Study of the Action of Caffeine Upon
the Blood Vessels: Mechanism of Action; Sensibility of
Cerebral Vessels to Caffeine

Orig Pub : Studii si cercetari stiint. Acad. RPR. Baza Timisoara. Ser.
stiinte med., 1956, 3, No 3-4, 47-55

Abstract : The mechanism of the action of caffeine (C) upon the peripheral vessels of the cerebrum and the portal vein was studied on dogs. It was established that the vasodilating action of C is manifested directly on the vessel walls; atropine does not change this effect. The vessels of the cerebrum showed greatest sensitivity of C. Although C produces a marked dilatation of the portal vein, it does not affect its automatic regulation.--E.N. Sheynbaum.

Card : 1/1

RUMANIA / Human and Animal Physiology. Blood Circulation. The Vessels. T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 101905.

Author : Popescu, M.; Mirza, A.; Zissu, E.; Weisz, S.;
Florea, I.; Carabas, M.

Inst : Timisoara Base

Title : The Influence of K and Ca Ions on Blood Vessels.
The Effect of Large and Small Doses and Sensibil-
ization of Vessels to the Indicated Ions.

Orig Pub: Studii si cercetari stiint. Acad. RPR. Baza Timi-
soara, Ser. stiinte med., 1956, 3, No 3-4, 57-62.

Abstract: No abstract.

Card 1/1

40

POPESCU, M.
RUMANIA / Pharmacology and Toxicology. Histamine and Antihistamine
Drugs. v-4
Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75772
Author : Popescu, M.; Mirza, A.; Florea, I.; Zissu, E.; Mogosanu, A.
Inst : Not given
Title : Effect of K Ion, Acetylcholine and Histamine on the Blood
Vessels of the Small Intestine.
Orig Pub : Fiziol. norm. si patol., 1957, 4, No. 2, 105-110

Abstract : In tests with perfusion of the loop of the small intestine
of dogs in situ under narcotics, it is shown that K ion,
acetylcholine and histamine (I) contract the intestinal ves-
sels and the vessels of the muscular membrane of the intest-
ines. The introduction into the perfusate of atropine hin-
ders the effect of acetylcholine on the intestinal vessels;
and the introduction of antergan, the effect of I. The ab-
sorption from the intestine of I, in the opinion of the
authors, exerts a tonic effect on the walls of the vessels.
-- E. M. Sheynbaum.

Card 1/1

10

Popescu, M.

EXCERPTA MEDICA Sec.2 Vol.11/5 Physiology, etc. May 58

2298. VASCULAR ACTION OF CHLORPROMAZINE - Contributii la studiul actiunii vasculare a clorpromazinei - Popescu M., Mirza A., Florea I., Răbăgia I. and Truța A. Lab. de Physiol., Inst. de Méd., Timisoara - REV. FIZIOL. NORM. PATOL. 1957, 4/5 (403-408) Graphs 5

Experiments on 65 dogs by the method of perfusion of the kidney, spleen and small intestine in situ showed that chlorpromazine (I) injected into the perfusion fluid causes a slight degree of vasodilatation, as judged by the variations in perfusion strength, and a moderate and sometimes transient hypertension. In anaesthetized animals these 2 phenomena were much more intense because I suppressed the blood pressure regulation mechanisms already depressed by the anaesthetic. The vasodilatation induced by I is probably the phenomenon of depression of fundamental properties of the cells described by Decourt under the name of narcobiosis.

Graur - Bucharest (II, 8, 18)

RUMANIA/Pharmacology and Toxicology. Tranquilizers

V-2

Abs Jour : Ref Zhur - Biol., No 15, 1958, No 71078

Author : ~~Popescu Marin~~, Mirza A., Florea I., Fabagiea I., Truta A.,
Konig A.

Inst : -

Title : Contribution to the Study of the Adrenolytic Action of
Chlorpromazine

Orig Pub : Fiziol. norm. si patol., 1957, 4, No 6, 504-513

Abstract : The adrenolytic action of chlorpromazine (C) was studied on
narcotized and intact dogs by the perfusion in situ of the
organs isolated from the general vascular network while pre-
serving nerve connections, or by the method of registration of
the total blood pressure in the intravenous administration
of C. Adrenolytic action of C was confirmed by the use of both
methods. However, even high doses of C, eliminating the
action of adrenalin on the total blood pressure, had no in-
fluence on the vessels of the spleen and kidneys in which the
vasoconstrictor effect of adrenalin continued to manifest
itself.

Card : 1/1

POPESCU M.

EXCERPTA MEDICA Sec 2 Vol 12/9 Physiology Sept 59

4203. MECHANISMS OF REGULATION OF TONE OF BLOOD VESSELS. I. DIRECT TONOGENIC EFFECT OF BLOOD ON VESSEL MUSCULATURE - Contribuții la studiul mecanismelor de reglaj al tonusului vaselor sanguine. I. Acțiunea tonigenă directă a sângelui asupra musculaturii vaselor - Popescu M., Mirza A., Florea I., Zissue E. and Cărăbaș M. Cat. de Fiziol., Inst. Med.-Farm., Timișoara - STUD. CERCET. FIZIOL. 1958, 3/3 (277-286)

Experiments are described in which organs vascularly isolated but with intact nervous connections were perfused in situ with Tyrode solution containing blood from the same or a different species. It was found that whole blood exerts on the blood vessels of organs an effect which varies according to the organ perfused. Blood injected into the fluid perfusing limbs, intestine or spleen produces vasoconstriction (reduced number of outflow drops per unit time) but when injected into fluid perfusing a kidney it causes vasodilatation, creating more favourable conditions for the secretion of urine.

CARAPANCEA, M.; POPESCU, M.; PINTILIE, I.; STOIAN, M.; TEODORESCU, V.;
STEFAN, M.

Modifications of visual accomodations under the conditions of hypo-
barism in the high-altitude pilots. Studii cerc fiziol 6 no.1:
129-139 '61. (EEAI 10:9)

1. Institutul de fiziologie normala si patologica "Prof. Dr. D.
Danielopolu" al Academiei R.P.R., Catedra de fiziologie a Institutu-
lui de medicina si farmacie Bucuresti si Centrul medical de aviatie.

(EYE) (ATMOSPHERIC PRESSURE) (ALTITUDE, INFLUENCE OF)

POPESCU, M., prof.; MIRZA, A.; ZISSU, E.; TRUTA, A.

Contributions to the study of the pharmacodynamic action of sodium citrate; the reflex pharmacodynamic action of the substance. Rumanian M Rev. no.1:230-231 Ja-Mr '61.

1. Chair of Physiology of the Institute of Medicine, Timisoara. Head of the Chair: Prof. M. Popescu.
(CITRATES pharmacology) (REFLEX)

CARAPANCEA, M.; POPESCU, M.; PINTILIE, I.; STOIAN, M.; STEFAN, M.

Some angiodynamic aspects of retina under hypobaric conditions in high-altitude pilots. Studii cerc fiziol 6 no.2:343-351 '61.

1. Institutul de fiziologie normala si patologica "Prof. Dr. D. Danielopolu" al Academiei R.P.R., Catedra de fiziologie I.M.F. Bucuresti si Centrul medical de aviatiei.

(BLOOD VESSELS) (RETINA)

SPIRCHIEZ, T., prof.; GHEORGHESCU, B., dr.; BRASIA, I., dr.;
MERCULIEV, Elena, fiz.; IONESCU, A., dr.; POPESCU, Mariana, dr.

The value of absorption tests with radioisotopes in patients
with intestinal resection. Med. intern. 15 no.8:943-948
Ag '63.

1. Lucrare efectuata in Clinica a V-a medicala a Spitalului
"V. Roaita", I.M.F. Bucuresti (director: prof. T. Spirchez).
(GASTROENTEROLOGY) (SURGERY, OPERATIVE)
(INTESTINES) (PHYSIOLOGY)
(RADIOISOTOPE SCANNING)

SPIRCHIEZ, T., prof.; GHEORGHESCU, B., dr.; MERCULIEV, Elena, fiz.;
POPESCU, Mariana, dr.; PAVEL, D., dr.

The metabolism of vitamin B 12 in chronic hepatitis investigated with the aid of Co-58 labelled vitamin B 12. Med. intern. 15 no.10:1185-1192 '63.

1. Lucrare efectuata in Clinica a V-a medicala "V. Roaita"
(director: prof. T. Spirchez).
(HEPATITIS) (VITAMIN B12) (METABOLISM)
(COBALT ISOTOPES) (RADIOISOTOPE SCANNING)

MANDACHE, Fl.; MATEESCU, D.; KOVER, Gh.; POPESCU, M.

Role of the adrenal glands in hemodynamic disorders in shock patients. Stud. cercet. endocr. 15 no.3:233-240 '64.

POPESCU, Mircea, ing.

Progress in mechanizing some operations in open hearth
furnaces. Metalurgia Rum 15 no.5:354-358 My '63.

RUM.NI. / Analytical Chemistry. Analysis of Inorganic Substances.

E-2

Abs Jour : Ref Zhur - Khim., No 15, 1958, No 50009

Author : Atanasiu, I.; Popescu, Mira; Calusaru, A.

Inst : Not given

Title : Determination of Nickel in Presence of Large Amounts of Copper.

Orig Pub : Rev. chim., 1957, 8, No. 12, 775-777.

Abstract : It was established that the presence of considerable amounts of Cu^{2+} in a solution to be analyzed inhibited the determination of Ni by the gravimetric dimethylglyoxime method, as well as by the polarographic methods. Consequently, Cu is eliminated from a sulfuric solution by electrolysis applying a voltage equal to, or less than, 2.3 v. before the determination of Ni. After the elimination of Cu,

Card 1/2

POPESCU, M.
ROMANIA / Physical Chemistry. Electrochemistry.

B

Abs Jour: Ref Zhur-Khimiya, No 20, 1959, 70845.

Author : Atanasiu, I., Calusaru, A.; Popescu, M.

Inst : Academy of Chemistry, RPR.

Title : Cathodic Polarization in Electrolytic Baths for
the Precipitation of Nickel-Phosphorus Alloy.

Orig Pub: Studii si cercetari chim. Acad. RPR, 1958, 6,
No 4, 585-596.

Abstract: The cathodic polarization (CP) at the precipitation of Ni-P alloy has been investigated. It is shown that the concentration of H_3PO_3 (I) and temperature strongly affect the potential of Ni precipitation on the Cu cathode. The addition of 40 g/l of I decreases CP by more than 0.1 v in comparison with the electrolyte not containing I. The maximal CP decrease is observed

Card 1/2

RUMANIA/Chemical Technology - Chemical Products and Their
Application. Electrochemical Production.
Electrodeposition. Chemical Sources of Current.

H-12

Abs Jour : Ref Zhur - Khimiya, No 17, 1958, 58059
Author : Atanasiu I, Calusaru A., Popescu Mira
Inst : -
Title : Electrodeposition of Nickle-Phosphorus Alloys.
Orig Pub : Rev. chim., 1958, 9, No 1, 8-13
Abstract : Composition of electrolyte (in g/l): $\text{NiSO}_4 \cdot 7\text{H}_2\text{O}$ 150;
 $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$ 50; H_3PO_4 50; H_3PO_3 1-50; temperature 90°;
 D_k equals 10-60 a/dm², pH ~ 1.5; $VT_k \approx 12\%$. Alloys of
Ni-P contain 1.1-33% P, depending on the concentration
of H_3PO_4 and H_3PO_3 , pH and D_k .

Card 1/1

- 22 -

POPESCU, M.; ATANASTIU, I.; CALUSARU, A.

Cathodic polarization in the baths for electrolytic depositing of nickel-phosphorus alloys. p. 585.

Academia Republicii Populare Romine. STUDII SI CERCETARI DE CHIMIE. Bucuresti, Rumania. Vol. 6, no. 4, 1958.

Monthly List of East European Accessions (EEAI) Vol. 8, no. 7, July 1959.

Uncl.

RUMANIA

576.8.073.4:612.398.145.1

PORTOCALA, R., POPA, I., MORFEI, Ana, LACATUS, V., and POPESCU, M., of the Institute of Inframicrobiology (Institutul de Inframicrobiologie) of the Academy of the Socialist Republic of Rumania (al Academiei Republicii Socialiste Romania).

"Spectrophotometric and Chromatographic Column Analysis of Ribonucleic Acid Extracted from a Suspension of the Brain of Mice Infected with MM Virus Subjected to the Action of Heat."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 17, No 2, 66, pp 117-124.

Abstract: The authors found that heating to 75 degrees centigrade for periods ranging from 5 to 220 minutes did not cause a suspension of infected mouse brain to lose its infectivity, indicating that viral ribonucleic acid does not seem to be affected by heat treatment at this temperature. However, the highly polymerized tissue molecules showed significant changes in chromatographic properties within the first 5 minutes of heating.

Includes one table, 3 figures and 9 references, of which one Western and 8 Rumanian. -- Manuscript submitted 29 October 1965.

1/1

- 43 -

L 31053-66

ACC NR: AP6022615

SOURCE CODE: RU/0005/65/000/010/0420/0421

AUTHOR: Popescu, Mihai (Engineer)

ORG: none

TITLE: One-transistor common-collector amplifier for small levels

SOURCE: Telecomunicatii, no. 10, 1965, 420-421

TOPIC TAGS: transistorized amplifier, current amplifier, voltage amplifier, electric impedance

ABSTRACT: Formulae are presented for the current amplification, voltage amplification, input and output impedance of a common-collector amplifier, and an example is given of the corresponding calculations for a practical case. Orig. art. has: 1 figure and 5 formulas. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 1/1

UDC: 621.375.4

RUMANIA

M POPESCU [Affiliation as above.]

"Interferon."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 2, 1963;
pp 217-237.

Abstract: Review of the literature. Methods of preparation of interferon, testing and control procedures; physical and chemical properties; purification and concentration; chemical structure and biological properties; mode of action; therapeutic uses. Methods of production and testing as reported by various authors are tabulated in extenso with corresponding references. One Soviet, 4 Rumanian and 120 Western references.

- END -

2434

CSO: 2000-N

L 1212-66 EWA(h)

ACCESSION NR: AP5025831

RU/0005/65/000/005/0164/0165

AUTHOR: Popescu, Mihai (Engineer)

TITLE: One-transistor combined feedback amplifier

SOURCE: Telecommunicatii, no. 5, 1965, 164-165

TOPIC TAGS: transistorized amplifier, feedback amplifier, amplifier stage

ABSTRACT: The author shows how to calculate the principal dynamic values of a transistor amplifier stage with feedback resistances. Orig. art. has: 2 figures and 5 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EC

NR REF SOV: 000

OTHER: 003

JPRS

mlb
Card 1/1

POPESCU, Miron

Seismic and reflectional prospects in the Trei Sate (Cloc)
region. Dari seama sed 48:237-243 '60/61 [publ.'62]

POPESCU, M.R., ing.

Digressions from the reciprocity law. St si Teh nuc 16 no.6:31, 43
Je '64.

POPESCU, Mihai, ing.

Photocamateurs. St al Tsh Buc 15 no.6:27 Ia '63.

PATRUT, I.; POPESCU, M.; TEODORESCU, C.; MOLNAR, M.

Geology of Moesic Platform. Stratigraphy. Petrol si gaze 12 no.11:
481-493 N '61.

(Rumania—Geology, Stratigraphic)

POPESCU, M.

A factory of plywood and cellular boards in Galautas, p. 61.

REVISTA CONSTRUCTIILOR SI A MATERIALELOR DE CONSTRUCTII. (Asociatia Stiintifica a Inginerilor si Technicienilor din Rominia si Ministerul Constructiilor si al Materialelor de Constructii) Bucuresti, Rumania. Vol. 11, no.2, Feb. 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959

Uncl.

JURA, C.; POPESCU, M.

Considerations on equations with partial derivatives of rapid filtration.
Bul St si Tehn Tim 9 no.2:571-583 J1-D '64.

POPESCU, M.

Popescu, M. Certain theorems on quadrics. Gaz. Mat.
fiz. Ser. A. 8 (1956), 396-399. (Romanian. Russian
and French summaries)

[Handwritten signature]

I-F\W

[Handwritten signature]
MT

S/081/62/000/004/032/087
B156/B138138

AUTHORS: Vintu, V., Popescu, M., Baliu, S.

TITLE: Reactions in the methylation and alkylation of toluene

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1962, 199, abstract 4Zh131 (Bul. Inst. petrol, gaze si geol.', v. 6, 1960, 247 - 260)

TEXT: The reactions were studied, which are involved in methylating toluene (I) by reaction with $n\text{-C}_5\text{H}_{11}\text{Na}$, $\text{iso-C}_5\text{H}_{11}\text{Na}$, $n\text{-C}_4\text{H}_9\text{Na}$ and $\text{tert-C}_4\text{H}_9\text{Na}$ (obtained from the corresponding fluorides or bromides), and also of its (I) alkylation with the complex compound $n\text{-C}_5\text{H}_{11}\text{Na}\cdot\text{TiCl}_4$. In the first case, the side chain is alkylated, in the second the ring. Polyalkylation products are also formed, but no dibenzyl. The mechanism of the reactions is investigated. [Abstracter's note: Complete translation.]

Card 1/1

F

Country : Rumania
 Category : Microbiology. Microbes Pathogenic For Man and Animals.
 Listerellosis.
 Abs. Jour : Ref Thur-Biol., No 23, 1958, No 105830
 Author : Volintir, V., Popescu, M.; Projbeanu, Gh.; Grindeanu, H.
 Institut. : --
 Title : Listerellosis Enzootic Among Sheep

Orig Pub. : Probl. zootehn. si veterin., 1957, No 7. 25-31

Abstract : Three outbreaks of listerellosis are described in sheep
 which occurred as acute or subacute infections and also
 were of the abortion type. For bacteriological diagnosis
 cultures should be made from various parts of the brain,
 and for the determination of the mobility of the lister-
 ellae they should be grown at room, not thermostat,
 temperature.

Card: 1/1

POPESCU, Marica, ing.; POPESCU, Gertruda, ing.

Printing tissues made of viscose or blended with viscose
with reactive dyes. Ind text Rum no. 3: 145-150 Mr '64.

POPESCU, Mihai, ing.

Telephone equipment with carrier currents on high tension
lines with a single side band. Telecomunicatii 5 no. 4:
186-188 J1-Ag '61.

L 45518-65

ACCESSION NR: AP5014732

RU/0005/64/008/007/0307/0310

AUTHOR: Popescu, Mihai N. (Engineer)

TITLE: Telephone transistor amplifier for weak levels

SOURCE: Telecomunicatii, v. 8, no. 7, 1964, 307-310

TOPIC TAGS: telephone equipment, transistorized amplifier

ABSTRACT: (Author's English summary modified): A description of an experimental transistorized low-level telephone amplifier. The computation of the amplifier stages, which is based on very simple premises, is presented and is shown to agree well with the measured values. Orig. art. has 6 figures, 1 formula, and 1 table.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EC

NO REF SOV: 000

OTHER: 004

JPRS

Cord 1/1 p1/1

POPESCU, Mircea, ing.; SANDRU, Petre; TOPA, Aurelia

Method for determining the source of macroscopic exogenous nonmetallic inclusions in steel. Metalurgia constr mas 14 no.9:795-799 S '62.

1. Combinatul siderurgic-Hunedoara (for Popescu).
2. Institutul de fizica atomica (for Sandru, Topa).

POPESCU, Miron

Seismic reflection prospecting in the Blaj-Sibiu region.
Dari seama sed 45:255-270 '57/58 [publ. '62].

18

- 2/2

CONSTANTINESCU, Gh.P., ing.; POPESCU, M., ing.

Contributions to the study of an intake of ground water infiltrated
through a river bank. Hidrotehnica 8 no.1:1-6 Ja '63.

POPESCU, Matei, ing.; MIULESCU, Nicolae, ing.

How we Rumanians apply preventive technical control. Constr Buc
15 no.725:3 30 N '63.

1. Trustul de constructii no.5, Brasov.

Popescu, m. m.

Probleme in Tehnologia Fabricării
Avioanelor. M. M. Popescu. Rev.
Transp. Noy. 1955, pp. 431-455. In
Romanian. Evaluation of the problems
presented by the technology of aircraft
production 14

8/11
mm

POPESCU, M.

TECHNOLOGY

Periodicals: CELULOZA SI HIRTIE. Vol. 7, no. 6, June 1958

POPESCU, M. Loading the traction tests with vehicles of the K.D. 3. 35,
K.D.S. 45 Platypus, Unimog, and Zetor, types. p. 241.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.